

ABSTRACT

Reciprocating blade system for knives, employed in order to achieve a highly effective cutting action without dragging upon the object to be cut.

The invention concerns a reciprocating blade system for knives characterized by a blade with curved or arc-shaped cutting edge capable of oscillating or swinging relative to the support where to it is fixed by any means enabling said movement such that the cutting edge can operate a reciprocating rolling movement on the object to be cut when the handle is pushed backwards and forwards in the manner of a standard knife.

In the embodiment represented in figure 1, the blade (1) has an arc-shaped cutting edge (5) and is fixed to a support rod (3) extended by a handle (4), through a pin (2) which enables its oscillation along the arrows (7) and (7bis).

Thus, by setting the curved surface (5) of the blade (1) which forms the cutting edge and by pressing it on the object to be cut, a reciprocating movement imparted to the handle (4) along the arrows (8) and (8bis) as with any knife, is sufficient for causing the curved and cutting part (5) of the blade (1) to roll above it in one direction then in the other along the arrows (7) and (7bis) and cut with higher efficiency and without pulling the object to be cut. The blade (1) comprises a stop (6), which will brake its reciprocating movement at each stroke end in both directions, so that the cutting edge (5) always remains in contact with the object to be cut and prevent the blade (1) from partly or completely overturning.

Figure 1 for abstract.